

Amendments to the Specification:

Please amend the paragraphs 9, 25, and 86 as follows:

[0009] Further, some specific sorting techniques for traffic management are described in U.S. patent application 10/125,686, filed April 17, 2002, issued as U.S. patent 7,284,111 on October 16, 2007, entitled “Integrated Multidimensional Sorter,” and U.S. patent application 10/737,461, filed December 15, 2003, issued as U.S. patent 7,362,765 on April 22, 2008, entitled “Network Traffic Management System with Floating Point Sorter,” which are both incorporated by reference. The subject matter in these patent applications may be performed using a DSP.

[0025] ~~Figures~~ Figure 8 shows implementation of the traffic management functions in a single core DSP by a parallel processing approach according to an embodiment of the invention.

[0086] Alternatively, timestamps are a specific way to implement priority based on time request. Timestamp value is used to determine traffic delivery sequence. Some discussion of timestamp based techniques are described in U.S. patent application 10/125,686, filed April 17, 2002, issued as U.S. patent 7,284,111 on October 16, 2007, entitled “Integrated Multidimensional Sorter,” and U.S. patent application 10/737,461, filed December 15, 2003, issued as U.S. patent 7,362,765 on April 22, 2008, entitled “Network Traffic Management System with Floating Point Sorter.” Timestamp values may be represented in a number of numbering systems, including binary, octal, decimal, hexadecimal, or floating point format.